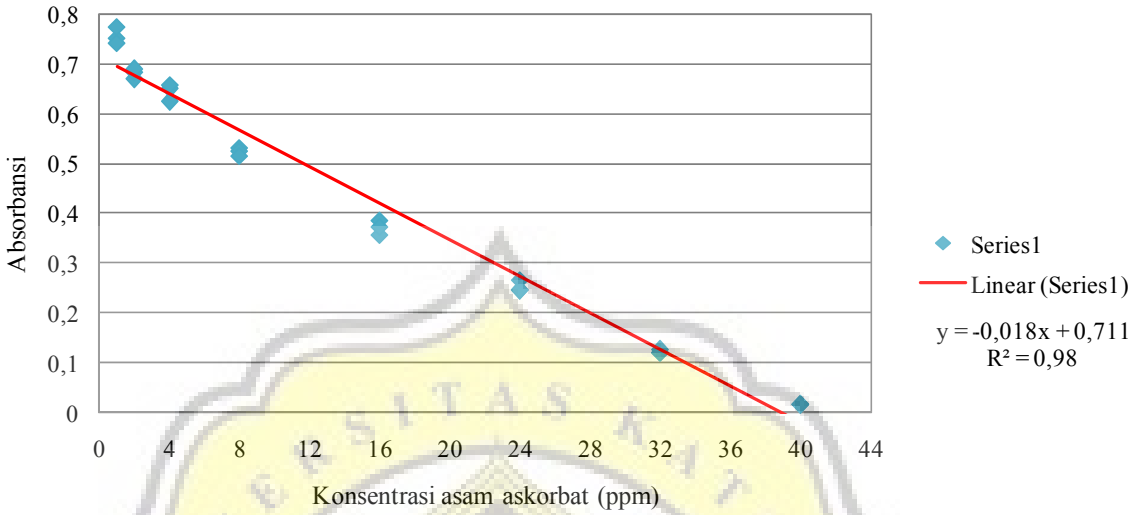
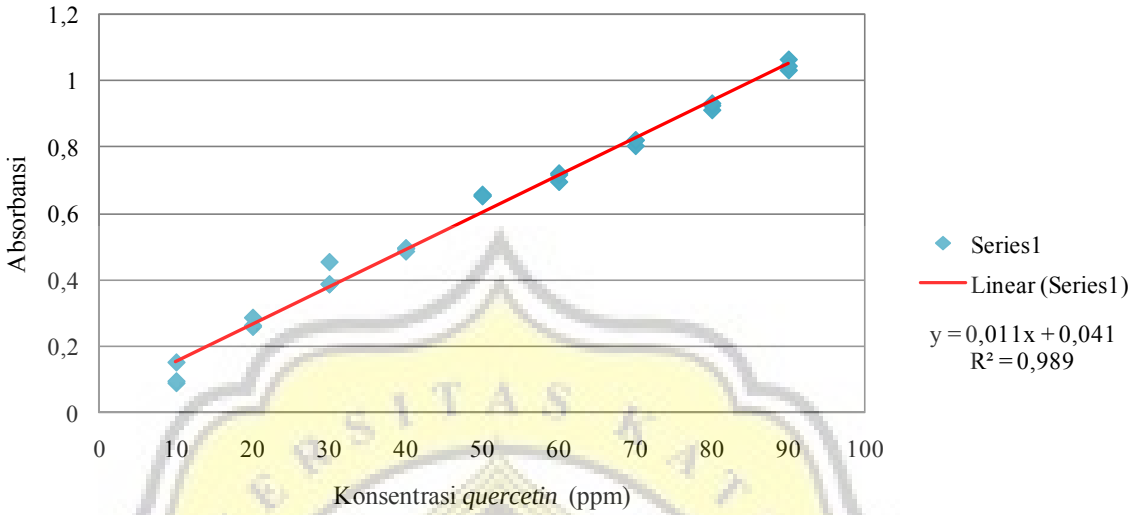
Lampiran 1. KURVA STANDAR VITAMIN C

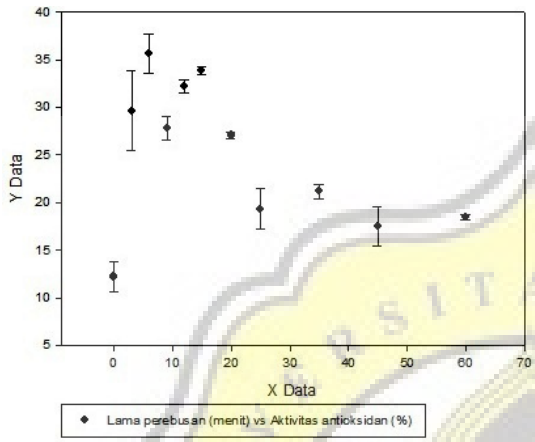


Lampiran 2. KURVA STANDAR TOTAL FENOL

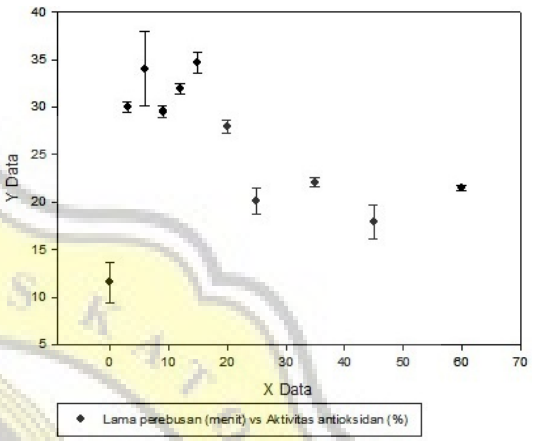


Lampiran 3. AKTIVITAS ANTIOKSIDAN PADA KOL DAN AIR REBUSAN KOL (*BATCH* 1 DAN 2)

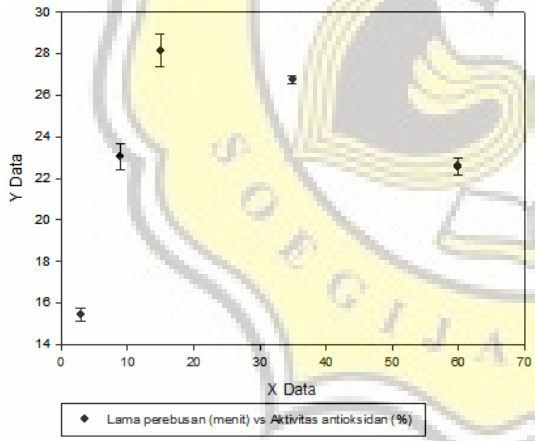
AKTIVITAS ANTIOKSIDAN PADA KOL (*BATCH* 1)



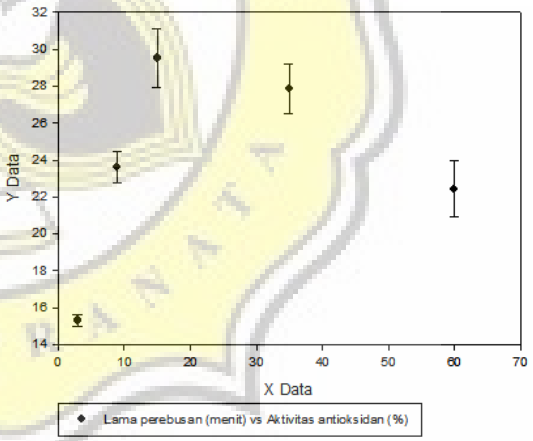
AKTIVITAS ANTIOKSIDAN PADA KOL (*BATCH* 2)



AKTIVITAS ANTIOKSIDAN PADA AIR REBUSAN KOL (*BATCH* 1)

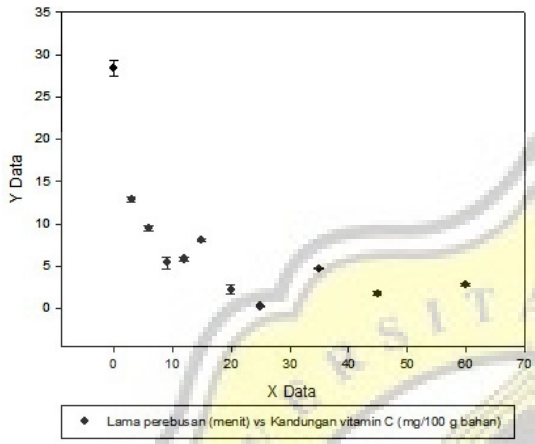


AKTIVITAS ANTIOKSIDAN PADA AIR REBUSAN KOL (*BATCH* 2)

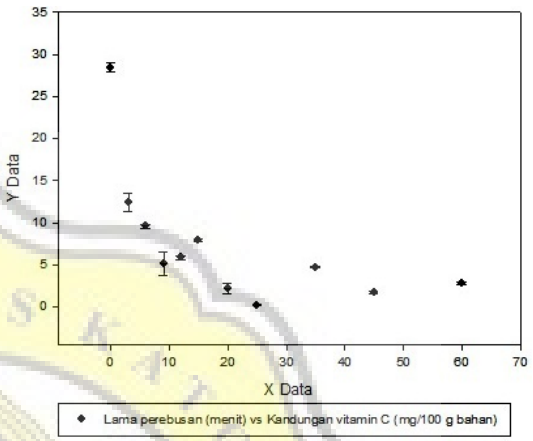


Lampiran 4. KANDUNGAN VITAMIN C PADA KOL DAN AIR REBUSAN KOL (*BATCH* 1 DAN 2)

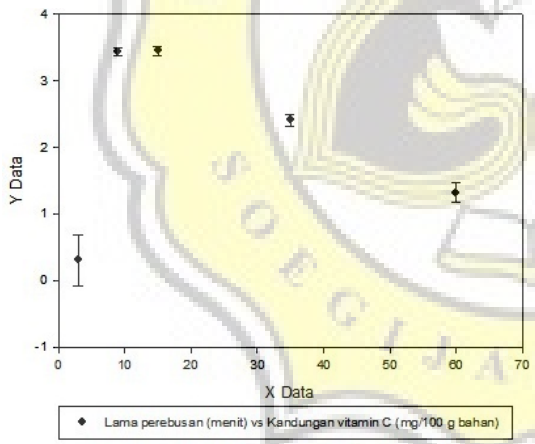
KANDUNGAN VITAMIN C PADA KOL (*BATCH* 1)



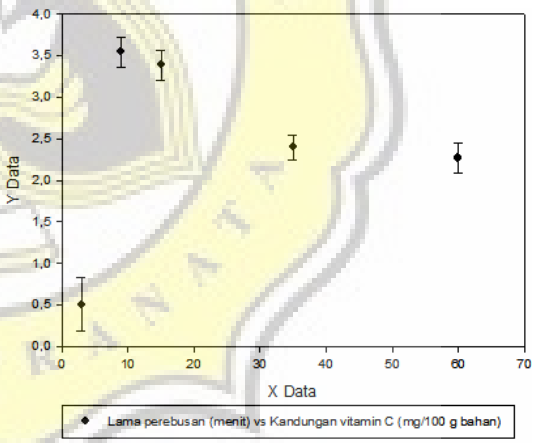
KANDUNGAN VITAMIN C PADA KOL (*BATCH* 2)



KANDUNGAN VITAMIN C PADA AIR REBUSAN KOL (*BATCH* 1)

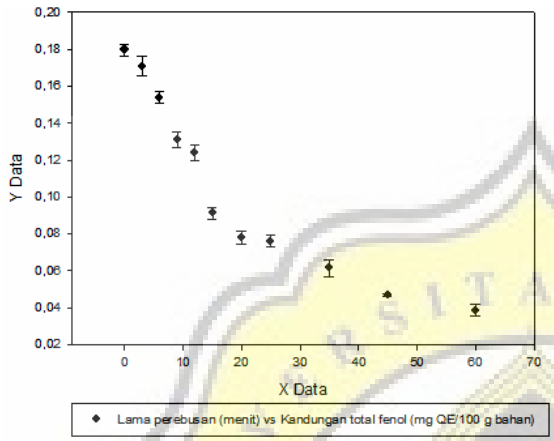


KANDUNGAN VITAMIN C PADA AIR REBUSAN KOL (*BATCH* 2)

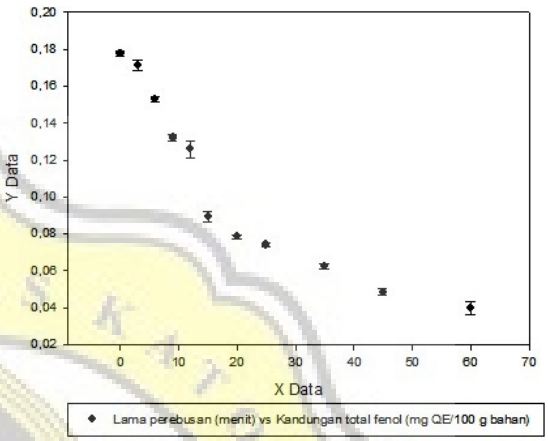


Lampiran 5. KANDUNGAN TOTAL FENOL PADA KOL DAN AIR REBUSAN KOL (*BATCH* 1 DAN 2)

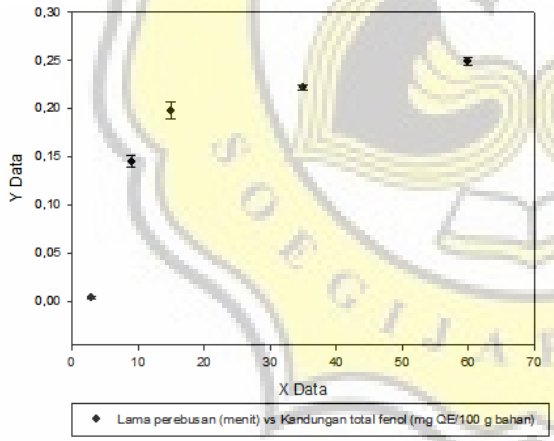
KANDUNGAN TOTAL FENOL PADA KOL (*BATCH* 1)



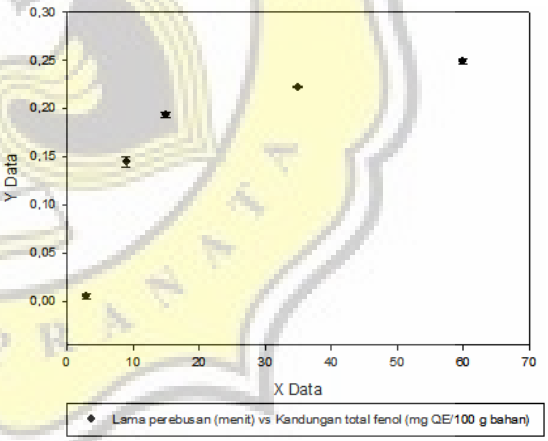
KANDUNGAN TOTAL FENOL PADA KOL (*BATCH* 2)



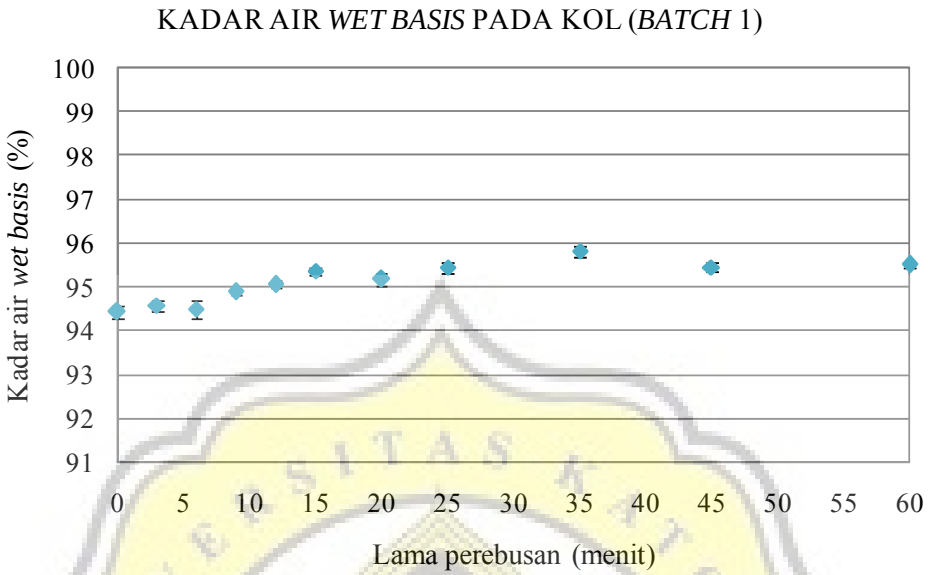
KANDUNGAN TOTAL FENOL PADA AIR REBUSAN KOL (*BATCH* 1)

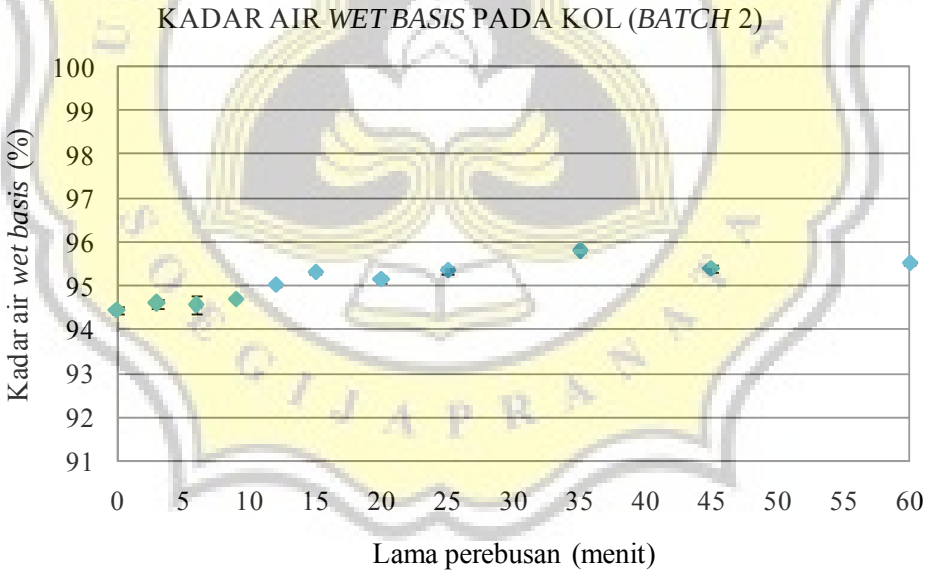


KANDUNGAN TOTAL FENOL PADA AIR REBUSAN KOL (*BATCH* 2)



Lampiran 6. KADAR AIR PADA KOL (*BATCH* 1 DAN 2)





Lampiran 7. HASIL OBSERVASI

No.	Nama, Rumah makan	Jenis masakan yang menggunakan kol	Waktu perebusan (menit)	Perlakuan pendahuluan (sebelum kol direbus)
1.	Pak Bambang, Warteg Pak Bambang	Sop, capcay kuah	30	Dicuci, dipotong-potong, dihilangkan bagian yang rusak
2.	Mbak Minah, Warung Makan 24 Jam	Sop, capcay kuah	15	Dicuci, dipotong-potong
3.	Mbak Asih, MM	Sop, capcay kuah	15	Dihilangkan bagian yang rusak, dicuci, dipotong-potong
4.	Mbak Murni, Pentul	Sop	12-15	Dicuci, dipotong-potong
5.	Mbak Tinah, Warteg	Sop	10-15	Dicuci, dipotong-potong
6.	Sarwi, Langsam	Sop	15	Dicuci, dipotong-potong

Lampiran 8. ANALISA NORMALITAS TERHADAP DATA PENGUJIAN KANDUNGAN SENYAWA FUNGSIONAL PADA KOL SELAMA PEREBUSAN

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	WAKTU	Statistic	df	Sig.	Statistic	df	Sig.
AO	0	,209	6	,200*	,949	6	,731
	3	,273	6	,182	,890	6	,316
	6	,217	6	,200*	,863	6	,201
	9	,230	6	,200*	,913	6	,454
	12	,169	6	,200*	,977	6	,938
	15	,180	6	,200*	,940	6	,658
	20	,248	6	,200*	,906	6	,410
	25	,221	6	,200*	,923	6	,529
	35	,230	6	,200*	,965	6	,858
	45	,217	6	,200*	,962	6	,837
	60	,266	6	,200*	,792	6	,049
VITC	0	,214	6	,200*	,942	6	,674
	3	,239	6	,200*	,916	6	,478
	6	,252	6	,200*	,860	6	,188
	9	,138	6	,200*	,994	6	,996
	12	,193	6	,200*	,896	6	,348
	15	,250	6	,200*	,934	6	,609
	20	,271	6	,192	,920	6	,507
	25	,240	6	,200*	,915	6	,473
	35	,279	6	,157	,894	6	,342
	45	,197	6	,200*	,923	6	,525
	60	,251	6	,200*	,900	6	,373
FENOL	0	,323	6	,050	,858	6	,183
	3	,280	6	,155	,878	6	,258
	6	,236	6	,200*	,932	6	,596
	9	,224	6	,200*	,904	6	,400
	12	,219	6	,200*	,959	6	,815
	15	,253	6	,200*	,858	6	,182
	20	,159	6	,200*	,978	6	,943
	25	,191	6	,200*	,896	6	,349
	35	,263	6	,200*	,939	6	,655
	45	,248	6	,200*	,819	6	,086
	60	,217	6	,200*	,891	6	,325

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Lampiran 9. ANALISA VARIANSI *ONE-WAY ANOVA* TERHADAP DATA PENGUJIAN KANDUNGAN SENYAWA FUNGSIONAL PADA KOL SELAMA PEREBUSAN

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
AO	0	6	11,87233	1,713167	,699397	10,07448	13,67019	9,117	13,799
	3	6	29,80867	2,690966	1,098582	26,98467	32,63266	25,105	33,427
	6	6	34,85167	2,917416	1,191030	31,79003	37,91331	29,740	37,313
	9	6	28,66450	1,289467	,526423	27,31129	30,01771	26,443	29,981
	12	6	32,06750	,592789	,242005	31,44541	32,68959	31,283	33,001
	15	6	33,87133	,294472	,120218	33,56230	34,18036	33,474	34,238
	20	6	27,49950	,671676	,274211	26,79462	28,20438	26,640	28,389
	25	6	19,74933	1,669240	,681464	17,99757	21,50109	17,537	21,721
	35	6	21,61200	,747179	,305035	20,82788	22,39612	20,475	22,600
	45	6	18,74050	1,795087	,732841	16,85667	20,62433	15,943	21,418
	60	6	19,96100	1,657464	,676657	18,22160	21,70040	18,245	21,659
	Total	66	25,33621	7,245238	,891827	23,55511	27,11731	9,117	37,313
VITC	0	6	28,45317	,585933	,239206	27,83827	29,06807	27,523	29,338
	3	6	12,37383	1,107567	,452162	11,21151	13,53615	10,627	13,561
	6	6	9,54383	,293660	,119886	9,23566	9,85201	9,220	9,884
	9	6	5,13733	1,377376	,562311	3,69187	6,58280	3,235	7,169
	12	6	5,84767	,212713	,086840	5,62444	6,07089	5,604	6,094
	15	6	7,95200	,123215	,050302	7,82269	8,08131	7,812	8,140
	20	6	2,15317	,635852	,259586	1,48588	2,82045	1,377	3,043
	25	6	,17567	,088906	,036296	,08237	,26897	,044	,275
	35	6	4,70383	,064960	,026520	4,63566	4,77200	4,586	4,778
	45	6	1,67517	,196641	,080278	1,46880	1,88153	1,478	2,002
	60	6	2,78767	,109850	,044846	2,67239	2,90295	2,623	2,903
	Total	66	7,34576	7,594393	,934805	5,47882	9,21269	,044	29,338
FENOL	0	6	39,31200	,493693	,201549	38,79390	39,83010	38,795	40,229
	3	6	37,61933	,844440	,344741	36,73315	38,50552	36,811	38,873
	6	6	33,73667	,514717	,210132	33,19650	34,27683	33,138	34,630
	9	6	28,91750	,649001	,264954	28,23641	29,59859	27,755	29,602
	12	6	27,45767	,924469	,377413	26,48750	28,42784	26,145	28,698
	15	6	19,85900	,630493	,257398	19,19734	20,52066	19,230	20,664
	20	6	17,19717	,537105	,219272	16,63351	17,76082	16,480	18,032
	25	6	16,49667	,546212	,222990	15,92345	17,06988	15,989	17,443
	35	6	13,63517	,679300	,277323	12,92228	14,34805	12,493	14,555
	45	6	8,61667	,685245	,279750	7,89755	9,33579	7,877	9,311
	60	6	10,49600	,311664	,127236	10,16893	10,82307	10,195	11,059
	Total	66	23,03126	10,482865	1,290352	20,45425	25,60827	7,877	40,229

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
AO	Between Groups	3259,307	10	325,931	117,342	,000
	Within Groups	152,768	55	2,778		
	Total	3412,076	65			
VITC	Between Groups	3728,457	10	372,846	1004,971	,000
	Within Groups	20,405	55	,371		
	Total	3748,862	65			
FENOL	Between Groups	7120,330	10	712,033	1736,632	,000
	Within Groups	22,550	55	,410		
	Total	7142,880	65			

Post Hoc Tests

Homogeneous Subsets

AO

Duncan[a]

		Subset for alpha = .05						
WAKTU	N	1	2	3	4	5	6	7
0	6	11,87212						
45	6		18,74045					
25	6		19,74920	19,74920				
60	6		19,96103	19,96103				
35	6			21,61202				
20	6				27,49930			
9	6				28,66432	28,66432		
3	6					29,80868		
12	6						32,06733	
15	6						33,87120	33,87120
6	6							34,85157
Sig.		1,000	,238	,072	,231	,239	,066	,313

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

VITC

Duncan[a]

WAKTU	N	Subset for alpha = .05								
		1	2	3	4	5	6	7	8	9
25	6	,17567								
45	6		1,67517							
20	6		2,15317	2,15317						
60	6			2,78767						
35	6				4,70383					
9	6				5,13733					
12	6					5,84767				
15	6						7,95200			
6	6							9,54383		
3	6								12,37383	
0	6									28,45317
Sig.		1,000	,180	,077	,223	1,000	1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

FENOL

Duncan[a]

WAKTU	N	Subset for alpha = .05									
		1	2	3	4	5	6	7	8	9	10
45	6	8,61667									
60	6		10,49600								
35	6			13,63517							
25	6				16,49667						
20	6				17,19717						
15	6					19,85900					
12	6						27,45767				
9	6							28,91750			
6	6								33,73667		
3	6									37,61933	
0	6										39,31200
Sig.		1,000	1,000	1,000	,063	1,000	1,000	1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

Lampiran 10. ANALISA NORMALITAS TERHADAP DATA PENGUJIAN KANDUNGAN SENYAWA FUNGSIONAL PADA AIR REBUSAN KOL

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	WAKTU	Statistic	df	Sig.	Statistic	df	Sig.
AO	3	,207	6	,200*	,938	6	,645
	9	,251	6	,200*	,927	6	,554
	15	,198	6	,200*	,896	6	,350
	35	,279	6	,159	,885	6	,291
	60	,183	6	,200*	,973	6	,910
VITC	3	,217	6	,200*	,905	6	,404
	9	,318	6	,058	,808	6	,070
	15	,177	6	,200*	,934	6	,611
	35	,167	6	,200*	,976	6	,933
	60	,219	6	,200*	,930	6	,580
FENOL	3	,172	6	,200*	,965	6	,856
	9	,324	6	,049	,799	6	,058
	15	,190	6	,200*	,930	6	,578
	35	,176	6	,200*	,976	6	,931
	60	,187	6	,200*	,942	6	,671

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Lampiran 11. ANALISA VARIANSI *ONE-WAY ANOVA* TERHADAP DATA PENGUJIAN KANDUNGAN SENYAWA FUNGSIONAL PADA AIR REBUSAN KOL

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
AO	3	6	15,30233	,336412	,137340	14,94929	15,65538	14,930	15,805
	9	6	23,60267	,860246	,351194	22,69989	24,50544	22,521	25,012
	15	6	29,51933	1,590142	,649173	27,85058	31,18809	27,571	31,259
	35	6	27,86817	1,326635	,541596	26,47595	29,26038	26,535	29,740
	60	6	22,43000	1,525943	,622964	20,82862	24,03138	20,333	24,916
	Total	30	23,74450	5,178138	,945394	21,81095	25,67805	14,930	31,259
VITC	3	6	,00433	,002251	,000919	,00197	,00670	,002	,008
	9	6	,14500	,005138	,002098	,13961	,15039	,140	,152
	15	6	,19550	,006442	,002630	,18874	,20226	,188	,204
	35	6	,22200	,002000	,000816	,21990	,22410	,219	,225
	60	6	,24883	,002858	,001167	,24583	,25183	,244	,252
	Total	30	,16313	,088053	,016076	,13025	,19601	,002	,252
FENOL	3	6	,95617	,471313	,192413	,46155	1,45078	,354	1,670
	9	6	31,89683	1,157856	,472693	30,68174	33,11193	30,761	33,413
	15	6	43,02100	1,418515	,579106	41,53236	44,50964	41,309	44,825
	35	6	48,86167	,460533	,188012	48,37837	49,34497	48,263	49,598
	60	6	54,76133	,652102	,266220	54,07699	55,44567	53,763	55,511
	Total	30	35,89940	19,378643	3,538040	28,66330	43,13550	,354	55,511

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
AO	Between Groups	740,229	4	185,057	123,863	,000
	Within Groups	37,351	25	1,494		
	Total	777,580	29			
VITC	Between Groups	,224	4	,056	3295,152	,000
	Within Groups	,000	25	,000		
	Total	,225	29			
FENOL	Between Groups	10869,36	4	2717,340	3225,498	,000
	Within Groups	21,061	25	,842		
	Total	10890,42	29			

Post Hoc Tests

Homogeneous Subsets

AO

Duncan[a]

WAKTU	N	Subset for alpha = .05			
		1	2	3	4
3	6	15,30233			
60	6		22,43000		
9	6		23,60267		
35	6			27,86817	
15	6				29,51933
Sig.		1,000	,109	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

VITC

Duncan[a]

WAKTU	N	Subset for alpha = .05				
		1	2	3	4	5
3	6	,00433				
9	6		,14500			
15	6			,19550		
35	6				,22200	
60	6					,24883
Sig.		1,000	1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

FENOL

Duncan[a]

WAKTU	N	Subset for alpha = .05				
		1	2	3	4	5
3	6	,95617				
9	6		31,89683			
15	6			43,02100		
35	6				48,86167	
60	6					54,76133
Sig.		1,000	1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

Lampiran 12. ANALISA NORMALITAS TERHADAP DATA PENGUJIAN KADAR AIR PADA KOL SELAMA PEREBUSAN

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	WAKTU	Statistic	df	Sig.	Statistic	df	Sig.
KDRAIR	0	,174	6	,200*	,937	6	,632
	3	,202	6	,200*	,891	6	,326
	6	,191	6	,200*	,969	6	,884
	9	,290	6	,126	,848	6	,152
	12	,220	6	,200*	,937	6	,632
	15	,250	6	,200*	,927	6	,559
	20	,307	6	,081	,863	6	,199
	25	,276	6	,172	,882	6	,276
	35	,224	6	,200*	,938	6	,645
	45	,199	6	,200*	,945	6	,696
	60	,240	6	,200*	,870	6	,226

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Lampiran 13. ANALISA VARIANSI *ONE-WAY ANOVA* TERHADAP DATA PENGUJIAN KADAR AIR PADA KOL SELAMA PEREBUSAN

Descriptives

KDRAIR

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
0	6	94,43783	,111440	,045495	94,32088	94,55478	94,260	94,560
3	6	94,58767	,104241	,042556	94,47827	94,69706	94,453	94,701
6	6	94,52350	,186280	,076049	94,32801	94,71899	94,260	94,766
9	6	94,78583	,104064	,042484	94,67662	94,89504	94,687	94,928
12	6	95,04300	,052376	,021382	94,98804	95,09796	94,986	95,130
15	6	95,34450	,062867	,025665	95,27852	95,41048	95,273	95,434
20	6	95,15600	,108615	,044342	95,04202	95,26998	95,050	95,348
25	6	95,39367	,102520	,041853	95,28608	95,50125	95,293	95,539
35	6	95,80067	,070656	,028845	95,72652	95,87482	95,683	95,886
45	6	95,42567	,081119	,033117	95,34054	95,51080	95,318	95,529
60	6	95,51283	,055819	,022788	95,45425	95,57141	95,453	95,586
Total	66	95,09192	,444958	,054771	94,98254	95,20131	94,260	95,886

ANOVA

KDRAIR

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	12,307	10	1,231	120,325	,000
Within Groups	,563	55	,010		
Total	12,869	65			

Post Hoc Tests

Homogeneous Subsets

KDRAIR

Duncan[a]

WAKTU	N	Subset for alpha = .05						
		1	2	3	4	5	6	7
0	6	94,43783						
6	6	94,52350	94,52350					
3	6		94,58767					
9	6			94,78583				
12	6				95,04300			
20	6				95,15600			
15	6					95,34450		
25	6					95,39367	95,39367	
45	6					95,42567	95,42567	
60	6						95,51283	
35	6							95,80067
Sig.		,148	,277	1,000	,058	,196	,058	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.